

# SRI SAYAJIBAUG ZOO

VADODARA MUNICIPAL CORPORATION

VADODARA



## **Annual Report**

**2018-19**

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From Curator's Desk

It is a pleasure to present the Annual Report for the Year 2018-19 of Sri Sayajibaug Zoo, Vadodara popularly known as the Baroda Zoo. Situated in the heart of Vadodara city, Sri Sayajibaug Zoo is one of the major tourist attractions of the city and is also a prime recreation destination for the citizens of Vadodara. Established way back in the year 1879 by the visionary ruler of the erstwhile state of Baroda H.H. Shrimant Maharaja Sayajirao Gaekwad III, the Zoo enters in its 141<sup>st</sup> Year, covering a long journey. The zoo and the adjoining vast garden form a significant green belt in the city thereby forming the lungs of Vadodara City.

Governed by the Vadodara Municipal Corporation (VMC), the Zoo is one amongst the four Zoos in the state that are managed by the Civic Bodies. Being under the Civic Body, the Zoo received less attention over the years as other basic services in the city were on the priority. However, in the past 4-5 years the Municipal Commissioners whoever came, took personal interest in the wholistic development of the Zoo. This included recruitment of manpower, redevelopment of the existing Zoo, probing possibility for the expansion, and there started a new era of development of the Zoo. However, some administrative hurdles still persist but facing these challenges we are moving ahead on the path of progress and of course with the support from Central Zoo Authority we should be able to over come all the challenges.

After I took the charge of Curator in the Year 2016, in the last two years me and my entire team has worked tireless towards the upgradation and development of the Zoo. We have put our meticulous efforts to achieve the maximum compliances laid down by the Central Zoo Authority during the last evaluation. And the result to the same is, some of the cardinal posts have been recreated, veterinary facilities at the Zoo are under upgradation, animal housing conditions are under improvement. Our Master Layout Plans have also been approved by the Central Zoo Authority during the year 2018-19.

Baroda Zoo passed through a bottleneck situation in the past decade due to which the inventory of the Zoo suffered few losses but with the new team of young and enthusiastic staff which now looks after the Zoo management, the Team is now determined towards complete redevelopment of the Zoo, to meet the modern standards of animal upkeep and welfare, to provide the visitors with basic and advanced amenities, to promote the Zoo as a Centre for Education and also contribute towards Ex-situ Conservation which is one of the prime objectives of the Zoo.

The Zoo is home to 87 species of animals numbering to 1271 individuals that are been taken utmost care in terms of their health, hygiene and housing by the dedicated and experienced staff of the Zoo. Baroda Zoo has a long history of breeding some of the exotic species of birds and today also the Zoo has rich collection of bird species probably highest in the state. We are possibly the only Zoo breeding Blue-Crowned Pigeon in captivity. Successful breeding of other parrots and pheasants is another feather in the crown.

Last but not the least, I thank my entire team, Asst. Curator, Veterinary Doctor, Supervisors, Animal Keepers, Gardeners, Labourers and Sanitary Workers for their dedication towards their duties and maintaining a clean and green environment at the Zoo thereby making the Zoo a serene place the animals and visitors too.



Dr. Pratyush Patankar  
Curator  
Sri Sayajibaug Zoo

## **History of the Zoo**

The inspiration of Zoo in Baroda came from H.H. Shrimant Maharaja Sayajirao Gaekwad III, the erstwhile visionary ruler of Baroda State. It was way back in 1875 when The Maharaja selected a tract of land on the bank of river Vishwamitri, on the outskirts of the Baroda city to develop a vast garden and a zoo. The Zoo which was a private collection of The Maharaja, which included a wide variety of Indian and Exotic Animals, was donated by The Maharaja to his beloved citizens of Baroda on 8<sup>th</sup> Jan 1879, and thereafter the park was declared open to the public. Post-Independence, in the year 1948, the Zoo and the Garden were handed over to Vadodara Municipal Bureau, now Vadodara Municipal Corporation. Thereafter, the Zoo and the Garden were named in the honor of the visionary ruler H. H. Shrimant Maharaja Sayajirao Gaekwad III, and came to be known as '**Sri Sayajibaug Zoo**'. Today, Sri Sayajibaug Zoo is one of the major departments under the aegis of Vadodara Municipal Corporation and is also one of the major revenue generating bodies of the Corporation.

Since the time of its inception, Sayajibaug Zoo has a rich history of conservation of natural heritage. The Zoo is not only a place that houses a wide variety of Indian and exotic wild animals but also conveys a message of ex-situ conservation and spread awareness in the society towards wildlife and built up compassion amongst people towards animals. Zoo is not just a place of entertainment and recreation but is also a center for education and research. Today when the city has spread far and the zoo no longer remains on the outskirts but is located in the heart of Vadodara City, it is important to mention that the entire Sayajibaug campus is a crucial greenbelt in the centre of the city and that forms the lungs of Vadodara City. Hence from the year 1879 till today, Sayajibaug Zoo has covered a long journey of 140 years, embarking itself as one of the oldest zoos in India.

1. **Vision:** To be Drafted Critically and Systematically

2. **Mission:** To be Drafted Critically and Systematically

3. **Objectives**

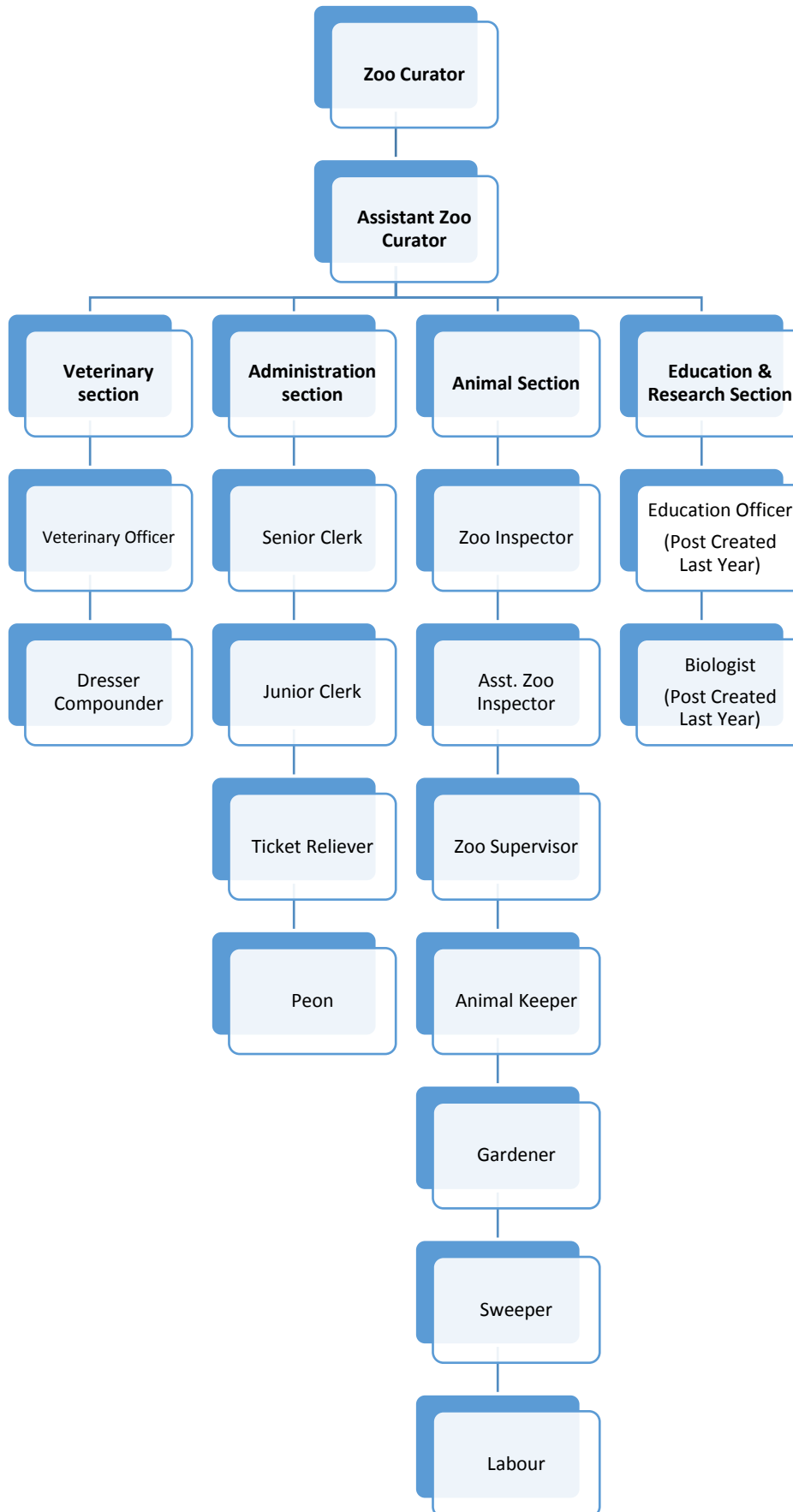
- Display the Animals in their Natural Habitat and Welfare of Animals
- Conservation through Breeding Programme
- To spread awareness in the Society regarding Wildlife
- To reach out to the Society and spread Zoo Education
- Conduct basic Research on Captive Wild Animals
- Recreation and Entertainment

## About Sri Sayajibaug Zoo

<b>Sr. No.</b>	<b>Particulars</b>	<b>Information</b>
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	<b>Sri Sayajibaug Zoo</b>
2	Year of Establishment	<b>1879</b>
3	Address of the Zoo	<b>Sri Sayajibaug Zoo, Nr. Bal Bhavan, Karelibaug, Vadodara – 390 018</b>
4	State	<b>Gujarat</b>
5	Telephone Number	<b>(0265) 2784079</b>
6	Fax Number	<b>----</b>
7	E-mail address	<b>sayajibaugzoo@gmail.com</b>
8	Website	<b><a href="https://vmc.gov.in/ZooDetails.aspx">https://vmc.gov.in/ZooDetails.aspx</a></b>
9	Distance from nearest	Airport: <b>3 Km</b>
		Railway Station: <b>1 Km</b>
		Bus Stand: <b>1 Km</b>
10	Recognition Valid upto (Date)	<b>May 2019</b>
11	Category of zoo	<b>Medium</b>
12	Area (in Hectares)	<b>15 Hectares</b>
13	Number of Visitors (2018-19)	Adult: <b>6,84,600</b>
		Children: <b>2,08,600</b>
		Total Visitors: <b>8,93,200</b>
14	Visitors' Facilities Available in Zoo	<b>Drinking Water, Washrooms, Wheelchair.</b>
15	Weekly Closure Day of the Zoo	<b>Thursday</b>

Sr. No.	Particulars	Information
<b>Management Personnel of the zoo</b>		
16	Name with designation of the Officer in-charge	<b>Dr. Pratyush Patankar Curator</b>
	Name of the Veterinary Officer	<b>Dr. C. B. Patel</b>
	Name of the Assistant Curator	<b>Mr. Elvis Katara</b>
	Name of the Compounder	<b>Mr. N. J. Zala</b>
<b>Owner / Operator of the Zoo</b>		
17	Name of the Operator	<b>Mr. Ajay Bhadoo (IAS) Municipal Commissioner</b>
18	Address of the Operator	<b>Khanderao Market Building, Raj Mahal Road, Vadodara – 390 001</b>
19	Contact details/Phone number of Operator	<b>(0265) 2433344</b>
20	E-mail address of Operator	<b>commissioner@vmc.gov.in</b>

## 4. Organizational Chart



## 5. Human Resources at Sri Sayajibaug Zoo

### Manpower of the Zoo

<b>Sr. No.</b>	<b>Designation</b>	<b>Number of Sanctioned Posts</b>	<b>Names of the incumbent</b>
1.	Zoo Curator	1	Dr. Pratyush Patankar
2.	Asst. Zoo Curator	1	Mr. Elvis Katara
3.	Veterinary Doctor	1	Dr. C. B. Patel
4.	Zoo Inspector	3	Vacant
5.	Asst. Zoo Inspector	1	Vacant
6.	Zoo Supervisor	3	Mr. Chintan Patel Mr. Vaibhav Chaudhari
7.	Dresser Compounder	1	Mr. N. J. Zala
8.	Animal Keeper	33	List attached as Appendix I
9.	Labourer	11	List attached as Appendix I
10.	Sweeper	7	List attached as Appendix I
11.	Watchman	4	List attached as Appendix I
12.	Field Assistant	1	Vacant
13.	Pump Attendant	1	Vacant
14.	Nirdesak	1	Vacant
15.	Mahavat	2	Vacant
16.	Yarr	3	Vacant
17.	Charanik	1	Vacant
18.	Carpenter	1	Vacant
19.	Mason	1	Vacant
20.	Food Distributor	1	Vacant
21.	Bread Maker	1	Vacant
22.	Mali	11	Vacant
23.	Goat Rider	2	Converted to Animal Keeper
24.	Pony Rider	4	Converted to Animal Keeper
25.	Ticket Reliever	2	Vacant (Counter Outsourced)
26.	Sr. Clerk	1	Mrs. Sunita Shikerkar
27.	Jr. Clerk	3	Mr. C. D. Baria; Mr. D. Barot & Mr. J. Prajapati
28.	Peon	1	Mr. Naresh Jore

## 6. Capacity Building of Zoo Personnel

<b>Sr. No.</b>	<b>Name and Designation of the Zoo Personnel</b>	<b>Subject matter of Training</b>	<b>Period of Training</b>	<b>Name of the Institution where the Training attended</b>
1.	Mr. Sanjay Parmar Animal Keeper	Training programme for Zoo Keepers on regional basis for the year 2018-19	04 <sup>th</sup> March 2019 to 10 <sup>th</sup> March 2019	Dr. Shyamaprasad Mukharjee Zoological Garden, Surat
2.	Mr. Vajid Shaikh Animal Keeper	Training programme for Zoo Keepers on regional basis for the year 2018-19	04 <sup>th</sup> March 2019 to 10 <sup>th</sup> March 2019	Dr. Shyamaprasad Mukharjee Zoological Garden, Surat

## 7. Zoo Advisory Committee – No Such Committee Constituted Yet

- a. Date of constitution
- b. Members
- c. Dates on which Meetings held during the year

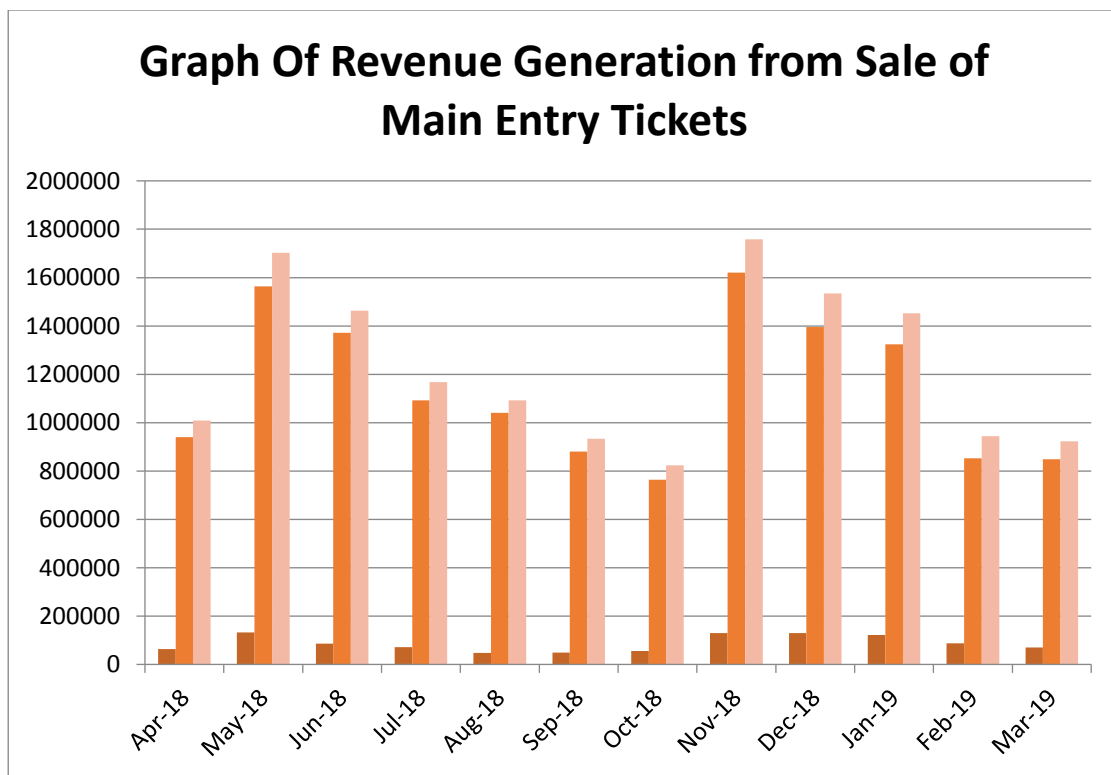
## 8. Health Advisory Committee–

Unfortunately, Proper Information could not be traced

- a. Date of constitution
- b. Members
- c. Dates on which Meetings held during the year

## 9. Statement of income and expenditure of the Zoo

Month	Ticket Rates & Camera/Video Camera Charges				
	Children below 12 Years Rs. 5.00	Adults Rs. 20.00	Camera Fee Rs. 50.00	Video Camera Rs. 100.00	Total Rs.
Apr 2018	64000	940000	4600	Nil	1008600
May 2018	132000	1564000	6150	100	1702250
June 2018	86000	1372000	5050	Nil	1463050
July 2018	72000	1092000	3350	100	1167450
Aug 2018	48000	1040000	4300	200	1092500
Sep 2018	49000	880000	4250	Nil	933250
Oct 2018	55000	764000	4150	Nil	823150
Nov 2018	130000	1620000	7700	200	1757900
Dec 2018	129000	1396000	9400	100	1534500
Jan 2019	121000	1324000	7400	100	1452500
Feb 2019	87000	852000	4300	Nil	943300
Mar 2019	70000	848000	5000	100	923100
<b>Total</b>	<b>1043000</b>	<b>13692000</b>	<b>65650</b>	<b>900</b>	<b>14801550</b>



**BUDGET OF SRI SAYAJIBAUG ZOO FOR YEAR 2018-19**

Sr. No.	Head Code No.	Allotted Rs.	Expenditure Rs.
1	Food & related material	80,00,000/-	78,24,884/-
2	Medicine	2,00,000/-	1,97,433/-
3	Renovation of Enclosures/ Cages & Other Civil Works	20,00,000/-	5,15,092/-
4	New Development at Zoo	4,00,00,000/-	2,61,00,279/-

**10. Daily feed Schedule of animals**

Sr. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Birds	Vegetables Fruits Cereals Legumes Milk Bread Fish	Seasonal Vegetables & Fruits	Seasonal Vegetables & Fruits	---
2	<b>Mammals</b>				
	Carnivores	Beef Chicken Egg			Thursday
	Primates	Vegetables Fruits Bread Roasted Chana Peanuts	Seasonal Vegetables & Fruits	Seasonal Vegetables & Fruits	
	Herbivores	Green Fodder Dry Fodder Concentrate Mix	Lucerne	Juvar Maize	
	Bear	Vegetables Fruits Milk Bread/Roti	Seasonal Vegetables & Fruits Honey	Seasonal Vegetables & Fruits	
	Porcupine	Vegetables Fruits Bread Roasted Chana			

		Peanuts			
	Hippopotamus	Cucumber Potato Cabbage Bhaji Guard Green Fodder Concentrate Mix			
<b>3</b>	<b>Reptiles</b>				
	Crocodile / Gharial / Spectacled Caiman	Fish			
	Turtle / Tortoise / Iguana	Vegetables			

## 11. Vaccination Schedule of animals

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Carnivores	Viral	Fel-O-Vex/ CanigenDhppil/ ARV	Annual	

## 15. De-worming Schedule of animals

Sr. No.	Species	Drug used	Month
1	Birds	Albendazole Fenbendazole Triclabendazole Praziquantel Pyrantel Pamoate Piperazine Hydrate	Every Three Month & Alternative
2	Carnivores	Albendazole Fenbendazole with Ivermectin	Every Three Month & Alternative

3	Bear	Albendazole Fenbendazole with Ivermectin	Every Three Month & Alternative
4	Herbivores	Albendazole Fenbendazole with Ivermectin	Every Three Month & Alternative
5	Primate	Albendazole Fenbendazole with Ivermectin	Every Three Month & Alternative

## 16. Disinfection Schedule

Sr. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Mammals (Carnivores, Bear)	Cage System	Kohrsolin (Spray)	Weekly
2	Herbivores	Enclosure	Amitraz Deltamethrin P.P. (Spray) Lime Malathion (Sprinkle)	Weekly
3	Birds	Outside of Cage	Lime Malathion Salt (Sprinkle) Amitraz (Spray)	Weekly

## 17. Health Check-up of employees for zoonotic diseases\*

Sr. No.	Name	Designation	Date of Health Check up	Findings of Health Check up

\* The above process is in progress as per periodicity

## **18. Development Works carried out in the zoo during the year**

- The revised Master Layout Plan and Animal Collection Plan of the existing Sri Sayajibaug Zoo and our extended satellite facility at Ajwa was approved by the Central Zoo Authority in February 2019.
- Based upon the approval of Master Layout Plans the design work for the animal enclosures is in progress and the same shall be submitted to Central Zoo Authority for the approval in the year 2010-20.
- The Detailed Designs of Five Animal Enclosures namely, Asiatic Lion, Yellow Tiger, White Tiger, Leopard and Sloth Bear were sent to CZA and in principal approval has been received. The development work is initiated during the year 2018-19.

## **19. Education and Awareness Programmes during the year**

- The Zoo has started Internship Programme for the Final Year students of Bachelor of Veterinary Science, Anand Agriculture University, Anand in the year 2016-17.
- In the first year the students in a Batch of 6-7 individuals spent one week with our Zoo. However, with catering received herein at our Zoo and the feed back given by the students in their College, the College raised their duration with Baroda Zoo from one week to two weeks. This year 2018-19 we offered a Two Weeks Internship Programme to the students of Veterinary Science.
- The Internship Programme of Veterinary Students started from January 2019 and continued till July 2019. A Batch 55 Students of final year B. V. Sc. were trained at Zoo. They were imparted training on various aspects of Animal Handling, Animal Identification, Animal Feeding, Animal Health Care, Animal Treatment, Animal Behaviour and Zoo Management.
- A Batch of Freshly inducted Foresters from Gujarat visited the Zoo in October 2018 as a part of their Training Programme. They briefed regarding Zoo Management.
- A Batch of Freshly inducted Range Forest Officers from three different states who were under training at the Forest Rangers' College at Satara, Maharashtra visited the Zoo in February 2019 as a part of their Training Programme. They briefed regarding Zoo Management.

## **20. Important Events and happenings - NIL**

## **21. Seasonal special arrangements for upkeep of animals**

### **Winter**

- The Cages of Big Cats have an arrangement of pyre place wherein the waste wood is burnt to provide warmth to the animals during the chill weather at night hours.
- Green Agro Net is covered over the cages of Birds and Primates to as to protect from the chills winds during the night hours.
- In Herbivore enclosures, enough quantity of dry fodder is provided which serves the purpose of warm bedding to the animals as they crowd together while resting.
- Dry grass and dry leaves are provided to reptiles for sheltering during the winter season.

### **Summer**

- Water is sprinkled twice a day in Zoo area that keeps the premises cool throughout the hot day time.
- It is ensured the water pools in the Tiger Cages are filled with water for the animal to have cool dip and if required water is also sprinkled so as to keep the animals safe from heat stress.
- Himalayan Black Bear is provided with a full slab of ice during the hot summer days, which the animal licks and plays and lies in the melting water of the ice.
- Small pieces of ice are also provided in the cages of Lions, Leopards and Monkeys which they lick and play thereby cooling themselves during summer.
- Moss Curtains are tied on the Bird Cages, which soaked with water, which provides cool conditions to the Birds all throughout the hot days.

### **Monsoon**

- During the monsoon season it is by and large ensured that the animal enclosures remain clean and dry. Especially the night shelters.
- Additional sheds are erected in the enclosures as per the requirement so as to provide shelter.
- Since the Zoo is located on the bank of River Vishwamitri, there is risk flood that might occur during monsoon. The Zoo has successfully managed such flood situations in the past and every year the entire team at the Zoo is fully prepared to manage the disaster.

## 22. Research Work carried out and Publications

Zoo Education is an important mandate of every Zoo, also each Zoo is expected to conduct some basic research but however, due lack of efficient manpower both these components i.e. Zoo Education and Research are untouched so far. But as I mentioned in our last year's report that our Zoo has already created the posts of Education Officer and Biologist (both full time) and the recruitment process is in progress. We are expecting the posts to be filled by next year and thereafter we will be contributing significantly towards Zoo Education and Research. Currently the Zoo in collaboration with the Zoology Department of The Maharaja Sayajirao University of Baroda is conducting small research projects pertaining to animal behaviour.

## 23. Conservation Breeding Programme of the Zoo

Currently Baroda Zoo doesn't have any conservation breeding programme of any of the important species. But in the past CZA has suggested Baroda Zoo to take Conservation Breeding Programme of Chinkara and Chousinga. In addition to these two species we also look forward to participate in the Conservation Breeding Programme of other important species of this region and contribute our inch towards Conservation Breeding. The proposal for which shall be sent to CZA shortly.

## 24. Animal acquisition / transfer / exchange during the year 2017-18

A.	Animals arrived in Baroda Zoo				
	Sr. No.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	1	Lady Amherst Pheasant	0:1	Gift	15/10/18
	2	Patagonian Conure	0:1	Gift	15/10/18

**25. Rescue and Rehabilitation of wild animals carried out by the Zoo**

<b>Sr. No.</b>	<b>Date of Rescue</b>	<b>Species with number of animals rescued with their sex (M: F:U:T)</b>	<b>Received from</b>	<b>Date of Submission of Report to the CWLW / CZA</b>	<b>Action taken</b>	
					<b>Date and Place of rehabilitation in their habitat</b>	<b>Reasons for housing in the zoo, if not released in their habitat</b>

## 26. Annual Inventory of animals

Form – II

Part – A

Inventory Report for the Year: 2018-19

### Endangered Species

<b><u>Annual Inventory Report of Sri Sayajibaug Zoo, Vadodara: 2018-19</u></b>																							
<b>From 1st January 2018 to 31st March 2019 (Endangered Species)</b>																							
Sr. No.	Animal Name	Scientific Name	Opening Stock as on 01-04-2018				Births			Acquisition			Disposals			Deaths			Closing Stock as on 31-03-2019				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
<b><u>BIRDS</u></b>																							
1	HornBill Indian Pied	<i>Anthracoceros malabaricus</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
2	Myna Hill	<i>Gracula religiosa</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3	Peafowl	<i>Pavo cristatus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	2	
4	Peafowl White	<i>Pavo cristatus</i>	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5	
5	Pheasant Grey Peacock	<i>Polyplectron bicalcaratum</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
6	Pheasant Kalij	<i>Lophura leucomelanos</i>	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	2	
	<b>TOTAL BIRDS</b>		<b>10</b>	<b>5</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>12</b>		
<b><u>MAMMALS</u></b>																							
7	Bear Himalayan Black	<i>Ursus thibetanus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
8	Black Buck (Krisna Mrig)	<i>Antilope cervicapra</i>	1	6	2	9	0	0	1	4	12	0	0	0	0	1	6	1	4	12	1	17	
9	Black Buck (Albino)	<i>Antilope cervicapra</i>	1	0	2	3	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	2	
10	Deer Brow antlered (Sangai)	<i>Rucervus eldi eldi</i>	2	1	0	3	0	0	1	0	0	0	0	0	0	0	0	0	2	1	1	4	
11	Leopard (Panther)	<i>Panthera pardus</i>	4	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	6	
12	Lion Asiatic	<i>Panthera leo persica</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
13	Macaque Bonnet	<i>Macaca radiata</i>	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	2	

14	Macaque Pig Tailed	<i>Macaca nemestrina</i>	3	2	1	6	0	0	1	0	0	0	0	0	0	0	0	0	3	2	2	7
15	Macaque Rhesus	<i>Macaca mulata</i>	4	3	1	8	0	0	0	0	0	0	0	0	0	1	0	0	3	3	1	7
16	Tiger Bengal	<i>Panthera tigris</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
	<b>TOTAL MAMMALS</b>		<b>18</b>	<b>17</b>	<b>6</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>21</b>	<b>23</b>	<b>6</b>	<b>50</b>
<b><u>REPTILES</u></b>																						
17	Crocodile Long Snouted (Gharial)	<i>Gavialis gangeticus</i>	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4
18	Crocodile Marsh (Mugger)	<i>Crocodylus palustris</i>	1	1	7	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	9
19	Tortoise Indian Star	<i>Geochelone elegans</i>	11	26	26	63	0	0	0	0	0	0	0	0	0	2	0	6	9	26	20	55
20	Turtle Indian Roofed	<i>Pangshura tecta</i>	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4
21	Turtle Indian Flapshell	<i>Lissemys punctata punctata</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
22	Turtle Ganges soft Shelled	<i>Nilssonia gangeticus</i>	1	2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	4
	<b>TOTAL REPTILES</b>		<b>15</b>	<b>33</b>	<b>37</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>13</b>	<b>33</b>	<b>31</b>	<b>77</b>
	<b>TOTAL ANIMALS</b>		<b>43</b>	<b>55</b>	<b>43</b>	<b>141</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>42</b>	<b>60</b>	<b>37</b>	<b>139</b>

## Part – B

### Other than Endangered Species

<b><u>Annual Inventory Report of Sri Sayajibaug Zoo, Vadodara: 2018-19</u></b>																						
<b>From 1<sup>st</sup> April 2018 to 31<sup>st</sup> March 2019</b>																						
Sr. No.	Animal Name	Scientific Name	Opening Stock as on 01-04-2018				Births			Acquisition			Disposals			Deaths			Closing Stock as on 31-03-2019			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
<b><u>BIRDS</u></b>																						
1	Budgerigar	<i>Melopsittacus undulatus</i>	45	30	259	334	0	0	14	0	0	0	0	0	0	0	0	9	45	30	264	339
2	Cockatiel	<i>Nymphicus hollandicus</i>	6	7	144	157	0	0	4	0	0	0	0	0	0	0	0	13	6	7	135	148

3	Cockatoo White	<i>Cacatua alba</i>	1	1	1	3	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	2
4	Conure Brown Eared	<i>Pyrrhura calliptera</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5	Conure Patagonian	<i>Cyanoliseus patogonus</i>	2	1	0	3	0	0	0	0	1	0	0	0	0	0	0	0	2	2	0	4
6	Conure Jandaya	<i>Aratinga jandaya</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
7	Conure Green Cheek Pineapple	<i>Pyrrhura molinae hypoxantha</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8	Conure Green Cheeked Yellow	<i>Pyrrhura molinae molinae</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
9	Conure Sun	<i>Aratinga solstitialis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
10	Crane Common	<i>Grus grus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
11	Duck Ruddy Shelduck	<i>Tadorna ferruginea</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
12	Duck Comb	<i>Sarkidiornis melanotos</i>	5	3	0	8	0	0	5	0	0	0	0	0	0	0	0	0	5	3	5	13
13	Dove Little Brown	<i>Streptopelia sp.</i>	7	7	15	29	0	0	0	0	0	0	0	0	0	0	0	0	7	7	15	29
14	Egret Large	<i>Ardea alba</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
15	Emu	<i>Dromaius novaehollandiae</i>	3	3	4	10	0	0	0	0	0	0	0	0	0	0	0	0	3	3	4	10
16	Flamingo Greater	<i>Phoenicopterus roseus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
17	Goose Greyleg	<i>Anser anser</i>	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
18	Heron Grey	<i>Ardea cinevea</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
19	Heron Night	<i>Nycticorax nycticorax</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
20	Ibis White	<i>Threskiornis melanocephalus</i>	2	2	2	6	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	6
21	Koel	<i>Eudynamis scolopacea</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
22	Lorry	<i>Lorius</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
23	Lorikeet Dusky	<i>Pseudos fuscata</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
24	Lorry Molucan	<i>Eos bornea</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
25	Lorikeet Rainbow	<i>Trichoglossus moluccanus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
26	Love Birds	<i>Agapornis</i>	16	16	0	32	0	0	5	0	0	0	0	0	0	1	1	0	15	15	5	35
27	Macaw Blue & Gold	<i>Ara oraravna</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
28	Macaw Red & Green	<i>Ara chloropterus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
29	Parakeet African Grey	<i>Psittacus erithacus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
30	Parakeet Alexandrine	<i>Psittacula eupatria</i>	4	3	18	25	0	0	0	0	0	0	0	0	0	0	0	0	4	3	18	25
31	Parakeet Blossom Headed	<i>Psittacula cynocephala</i>	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
32	Parakeet Red Breasted	<i>Psittacula alexandri</i>	2	2	1	5	0	0	2	0	0	0	0	0	0	0	0	2	2	2	1	5

33	Parakeet Rose Ring	<i>Psittacula krameri</i>	3	3	5	11	0	0	2	0	0	0	0	0	0	0	0	0	3	3	7	13
34	Parrot Jardine	<i>Poicephalus gulielmi</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
35	Parrot Eclectus	<i>Eclectus roratus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
36	Parrot Senegal	<i>Poicephalus senegalus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
37	Pelican Rosy/ White	<i>Pelecanus onocrotalus</i>	2	3	0	5	0	0	0	0	0	0	0	0	0	1	1	0	1	2	0	3
38	Pelican Spot Billed/ Grey	<i>Pelecanus philippensis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
39	Pheasant Golden	<i>Chrysolophus pictus</i>	5	4	0	9	0	0	0	0	0	0	0	0	0	1	0	5	3	0	8	
40	Pheasant Lady Amherst	<i>Chrysolophus amherstia</i>	4	3	0	7	0	0	0	0	0	0	0	0	0	1	1	0	3	2	0	5
41	Pheasant Ring Necked	<i>Phasianus colchicus</i>	2	2	1	5	0	0	4	0	0	0	0	0	0	0	0	0	2	2	5	9
42	Pheasant Silver	<i>Lophura nycthemera</i>	3	1	6	10	0	0	1	0	0	0	0	0	0	0	0	0	3	1	7	11
43	Pigeon Blue Crowned	<i>Goura cristata</i>	3	4	6	13	0	0	5	0	0	0	0	0	0	1	3	1	2	1	10	13
44	Pigeon Bronze Wing Crested	<i>Phaps chalocoptera</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Pigeon Imperial Green	<i>Ducula aenea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Rosella Crimson	<i>Platycercus elegans</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Rosella Eastern	<i>Platycercus eximius</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
48	Rosella Western	<i>Platycercus icterotis</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
49	Sea Gull Black Headed	<i>Choicocephalus ridibundus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
50	Sea Gull Brown Headed	<i>Choicocephalus brunniphelus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
51	Sparrow Java White	<i>Padda oryzivora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Sparrow Java Grey	<i>Lonchura oryzivora</i>	2	1	2	5	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	4
53	Stork White	<i>Ciconia ciconia</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
54	Swan Black	<i>Cygnus atratus</i>	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4
55	Teal Lesser Whistling	<i>Dendrocygna javanica</i>	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	3
56	Turaco Knysna	<i>Turaco corythaix</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
57	Turaco Violet	<i>Musophaga violacea</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
58	Zebra Finch Grey Faun	<i>Taeniopygia guttata</i>	6	6	12	24	0	0	0	0	0	0	0	0	0	0	1	6	6	11	23	
59	Zebra Finch White	<i>Taeniopygia sps.</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
	<b>TOTAL BIRDS</b>		<b>151</b>	<b>122</b>	<b>482</b>	<b>755</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>10</b>	<b>28</b>	<b>145</b>	<b>113</b>	<b>499</b>	<b>757</b>

**MAMMALS**

60	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
61	Deer Sambar	<i>Cerrus Unicotor</i>	7	15	12	34	0	0	1	0	0	0	0	0	0	0	2	1	7	13	12	32
62	Deer Spotted (Chital)	<i>Axis axis</i>	31	76	24	131	0	0	14	0	0	0	0	0	0	0	0	1	31	76	37	144
63	Hippopotamus	<i>Hippopotamus amphibius</i>	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	3
64	Nilgai – Blue Bull	<i>Boselaphus targocamelus</i>	1	2	0	3	0	0	2	0	0	0	0	0	0	0	0	0	1	2	2	5
65	Porcupine Indian	<i>Hystrix indica</i>	1	1	0	2	0	0	7	0	0	0	0	0	0	0	0	0	1	1	7	9
	<b>TOTAL MAMMALS</b>		<b>42</b>	<b>96</b>	<b>36</b>	<b>174</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>42</b>	<b>94</b>	<b>59</b>	<b>195</b>
<b><u>REPTILES</u></b>																						
65	Caiman Spectacled	<i>Caiman crocodilus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
66	Iguana Green	<i>Iguana iguana</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
	<b>TOTAL REPTILES</b>		<b>1</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>4</b>
	<b>TOTAL ANIMALS</b>		<b>194</b>	<b>218</b>	<b>521</b>	<b>933</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>12</b>	<b>30</b>	<b>188</b>	<b>207</b>	<b>561</b>	<b>956</b>

## 27. Mortality of animals

Sr. No.	Animal Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1.	Blue Crown Pigeon	F	24 - Mar - 2019	Shock Paraplegia
2.	Blue Crown Pigeon	F	20 - Mar - 2019	Shock Paraplegia
3.	Blue Crown Pigeon	F	17 - Mar - 2019	Shock Paraplegia
4.	Indian Star Tortoise	U	14 - Mar - 2019	Bronchitis
5.	Budgerigar	U	06 - Mar - 2019	<i>E. coli</i>
6.	Budgerigar	U	06 - Mar - 2019	<i>E. coli</i>
7.	Budgerigar	U	06 - Mar - 2019	<i>E. coli</i>
8.	Cockatiel	U	05 - Mar - 2019	<i>E. coli</i>
9.	Finch Zebra	U	02 - Mar - 2019	Enteritis
10.	Cockatiel	U	28 - Feb - 2019	Predator Bite
11.	Budgerigar	U	11 - Feb - 2019	Predator Bite
12.	Budgerigar	U	11 - Feb - 2019	Predator Bite
13.	Grey Java	U	08 - Feb - 2019	Enteritis
14.	Sambar	U	07 - Feb - 2019	Anaemic
15.	Indian Star Tortoise	U	06 - Feb - 2019	Bronchitis
16.	Budgerigar	U	10 - Jan - 2019	Unknown
17.	Sambar	F	09 - Jan - 2019	Acute bloat
18.	Indian Star Tortoise	U	18 - Dec - 2018	Severe Cold
19.	Cockatiel	U	15 - Dec - 2018	Bronchitis
20.	Cockatiel	U	15 - Dec - 2018	Bronchitis
21.	Sambar (Fawn)	F	14 - Dec - 2018	Anaemic
22.	Black Buck (Krishna Mrig)	F	30 - Nov - 2018	Shock Due to Dog Bite
23.	Black Buck (Krishna Mrig)	F	30 - Nov - 2018	Shock Due to Dog Bite
24.	Black Buck (Krishna Mrig)	F	30 - Nov - 2018	Shock Due to Dog Bite
25.	Black Buck (Krishna Mrig)	F	30 - Nov - 2018	Shock Due to Dog Bite
26.	Black Buck (Krishna Mrig)	F	30 - Nov - 2018	Shock Due to Dog Bite
27.	Black Buck (Krishna Mrig)	U	30 - Nov - 2018	Shock Due to Dog Bite
28.	Black Buck (Krishna Mrig)	U	30 - Nov - 2018	Shock Due to Dog Bite
29.	Black Buck (Krishna Mrig)	U	30 - Nov - 2018	Shock Due to Dog Bite
30.	Rosy Pelican	U	27 - Nov - 2018	Fatty Liver
31.	Spotted Deer	U	19 - Nov - 2018	Septicaemia

32.	Pineapple Conure	F	17- Nov - 2018	Anaemic
33.	Pheasant Lady Amherst	M	02 - Nov - 2018	Predator Bite
34.	Indian Star Tortoise	U	15 - Oct - 2018	Bronchitis
35.	Cockatiel	U	11 - Oct - 2018	Predator Bite
36.	Cockatiel	U	11 - Oct - 2018	Predator Bite
37.	Peacock	M	01 - Oct - 2018	Paraplasia
38.	Cockatiel	U	26 - Sep - 2018	Enteritis
39.	Cockatiel	U	26 - Sep - 2018	Enteritis
40.	Indian Star Tortoise	U	21 - Sep - 2018	Heat Stroke
41.	Indian Star Tortoise	U	21 - Sep - 2018	Heat Stroke
42.	Rosy Pelican	F	10 - Sep - 2018	Hepatitis
43.	Blue Crown Pigeon (Chick)	U	10 - Sep - 2018	Hepatitis
44.	Cockatoo	F	09 - Sep - 2018	Hepatitis
45.	Red Breasted Parakeet	U	06 - Sep - 2018	Predator Bite – Rodent
46.	Red Breasted Parakeet	U	06 - Sep - 2018	Predator Bite – Rodent
47.	Budgerigar	U	29 - Aug - 2018	Predator Bite
48.	Budgerigar	U	29 - Aug - 2018	Predator Bite
49.	Budgerigar	U	29 - Aug - 2018	Predator Bite
50.	Cockatiel	U	28 - Aug - 2018	Predator Bite – Rodent
51.	Cockatiel	U	28 - Aug - 2018	Predator Bite – Rodent
52.	Blue & Gold Macaw	M	27 - Aug - 2018	Hepatitis
53.	Black Buck	F	30 - Jul - 2018	Inter Fighting, Trauma/Septicaemia
54.	Indian Star Tortoise	M	22 - Jul - 2018	Bronchitis
55.	Golden Pheasant	F	04 - Jul - 2018	Tumour on Eyelid
56.	Love Bird	M	22 - Jun - 2018	Predator Bite
57.	Love Bird	F	22 - Jun - 2018	Predator Bite
58.	Cockatiel	U	22 - Jun - 2018	Predator Bite
59.	Cockatiel	U	22 - Jun - 2018	Predator Bite
60.	Cockatiel	U	22 - Jun - 2018	Predator Bite
61.	Macaque Rhesus	M	22 - Jun - 2018	Old Age
62.	Flamingo	U	07 - Jun - 2018	Fracture of Right Leg
63.	Tortoise Indian Star	M	28 - May - 2018	Bronchitis
64.	Rosella Eastern	M	24 - May - 2018	Heat Stock Temp 44.2 <sup>0</sup> C
65.	Pigeon Blue Crowned	M	14 - May - 2018	Shock Respiratory Failure
66.	Pheasant Kalij	M	18 - Apr - 2018	Inter Fighting
67.	Pheasant Peacock	F	17 - Apr - 2018	Haemorrhagic Enteritis
68.	Pheasant Lady Amherst	F	17 - Apr - 2018	Haematoma
69.	Crane Common	F	10 - Apr - 2018	Old Age

## 28. Compliance with conditions stipulated by the Central Zoo Authority

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions

## 29. List of free-living wild animals within the Zoo premises

<b>Mammals</b>			
No.	Family	English Name	Scientific Name
1	Soricidae	Grey Musk Shrew	<i>Sancus murinus</i>
2	Pteropodidae	Flying Fox	<i>Pteropus giganteus</i>
3	Pteropodidae	Short-Nosed Fruit Bat	<i>Cynopterus sphinx</i>
4	Cercopithecidae	Hanuman Langur	<i>Semnopithecus entellus</i>
5	Leporidae	Indian Hare	<i>Lepus nigricollis</i>
6	Sciuridae	Five striped Palm Squirrel	<i>Funambulus pennanti</i>
7	Cricetidae	Indian Gerbille	<i>Tetra indica</i>
8	Muridae	Field Mouse	<i>Mus booduga</i>
9	Muridae	Bandicoot Rat	<i>Bandicotia indica</i>
10	Hystricidae	Indian Porcupine	<i>Hystrix indica</i>
11	Canidae	Jackal	<i>Canis aureus</i>
12	Viverridae	Small Indian Civet	<i>Viverricula indica</i>
13	Herpestidae	Common Mongoose	<i>Herpestes edwards</i>
14	Felidae	Jungle cat	<i>Felis chaus</i>

<b>Birds</b>			
No.	Family/Sub-Family	English Name	Scientific Name
	<b>Accipitridae</b>		
1		Black Winged Kite	<i>Elanus caeruleus</i>
2		Honey Buzzard	<i>Pernis ptilorhynchus</i>
3		Common Pariah Kite	<i>Milvus migrans</i>
4		Shikra	<i>Accipiter badius</i>
	<b>Alcedinidae</b>		

5		Common Kingfisher	<i>Alcedoatthis</i>
6		Lesser Pied Kingfisher	<i>Cerylerudis</i>
7		White Breasted Kingfisher	<i>Halcyon smyrnensis</i>
	<b>Anatidae</b>		
8		Comb Duck	<i>Sarkidiornismelanotos</i>
9		Lesser Whistling Duck	<i>Dendrocygnajavanica</i>
	<b>Apodidae</b>		
10		House Swift	<i>Apus affinis</i>
	<b>Ardeidae</b>		
11		Cattel Egret	<i>Bubulcus ibis</i>
12		Grey Heron	<i>Ardeacinerrea</i>
13		Large Egret	<i>Ardea alba</i>
14		Little Egret	<i>Egretta garzetta</i>
15		Night Heron	<i>Nycticoraxnycticorax</i>
16		Pond Heron	<i>Ardeolagravii</i>
17		Smaller or Median Egret	<i>Egretta intermedia</i>
	<b>Bucerotidae</b>		
18		Indian Grey Hornbill	<i>Ocyerosbirostris</i>
	<b>Caprimulgidae</b>		
		Common Nightjar	<i>Caprimulgusasiaticus</i>
19		Indian Nightjar	<i>Caprimulgus indicus</i>
	<b>Campephagidae</b>		
20		Common Wood Shrike	<i>Tephroornispondicerianus</i>
21		Large Cuckoo Shrike	<i>Coracinanovaehollandiae</i>
22		Small Minivet	<i>Pericrocotuscinnamomeus</i>
	<b>Captitonidae</b>		
23		Coppersmith Barbet	<i>Megalaimahaemacephala</i>
24		Brown-headed Barbet	<i>Megalaimazeylanica</i>
	<b>Ciconiidae</b>		
25		Openbill Stork	<i>Anastomusoscitans</i>
26		Painted Stork	<i>Mycterialeucocephala</i>
27		White-necked Stork	<i>Ciconia episcopas</i>
	<b>Charandriidae</b>		
28		Red-Wattled Lapwing	<i>Vanellus indicus</i>
29		Yellow-Wattled Lapwing	<i>Vanellusmalabaricus</i>
	<b>Columbidae</b>		
31		Blue Rock Pigeon	<i>Columba livia</i>
32		Yellow Footed Green Pigeon	<i>Treronphoenicoptera</i>
33		Spotted Dove	<i>Streptopeliachinensis</i>
34		Collard Dove	<i>Streptopeliadecaocata</i>
34		Laughing Dove	<i>Streptopelia senegalensis</i>
35		Oriental Turtle Dove	<i>Streptopeliaorientalis</i>
	<b>Coraciidae</b>		
36		Indian Roller	<i>Coracias benghalensis</i>

	<b>Corvidae</b>		
37		House Crow	<i>Corvus splendous</i>
38		Jungle Crow	<i>Cvorvus macrorhyncho</i>
39		Rufous Tree Pie	<i>Dendrocittavagabunda</i>
	<b>Cuculidae</b>		
40		Common Hawk Cuckoo	<i>Hierococcyx varius</i>
41		Crow Pheasant	<i>Centropus sinensis</i>
42		Koel	<i>Eudynamis scolopacea</i>
	<b>Dicacidae</b>		
43		Thick-billed Flower Pecker	<i>Dicaeum agile</i>
	<b>Dicruridae</b>		
44		Black Drongo	<i>Dicrurus macrocercus</i>
	<b>Hirundinidae</b>		
45		Eurasian Crag Martin	<i>Hirundo rupestris</i>
46		Dusky Crag Martin	<i>Hirundo concolor</i>
47		Red-rumped Swallow	<i>Hirundo daurica</i>
48		Wire-tailed Swallow	<i>Hirundo smithii</i>
49		Barn Swallow	<i>Hirundo rustica</i>
	<b>Irenidae</b>		
50		Common Iora	<i>Aegithina tiphia</i>
51		Marshall's Iora	<i>Aegithina nigrolutea</i>
	<b>Laniidae</b>		
52		Bay-backed Shrike	<i>Lanius vittatus</i>
53		Grey Shrike	<i>Lanius excubitor</i>
54		Rufous-backed Shrike	<i>Lanius schach</i>
	<b>Meropidae</b>		
55		Green Bee Eater	<i>Merops orientalis</i>
	<b>Muscicapidae</b>		
56		Common Babbler	<i>Turdoides caudatus</i>
57		Jungle Babbler	<i>Turdoides striatus</i>
58		Large Grey Babbler	<i>Turdoides malcolmi</i>
59		Yellow Eyed Babbler	<i>Chrysommastinense</i>
	<b>Motacillidae</b>		
60		Grey Wagtail	<i>Motacilla cinerea</i>
61		White Wagtail	<i>Motacilla alba dukhuensis</i>
62		Yellow Wagtail	<i>Motacilla flava</i>
	<b>Nectariniidae</b>		
63		Purple sunbird	<i>Nectarinia asiatica</i>
	<b>Oriolidae</b>		
64		Golden Oriole	<i>Oriolus oriolus</i>
	<b>Paridae</b>		
65		Grey Tit	<i>Parus major</i>
	<b>Phalacrocoracidae</b>		
66		Darter	<i>Anhinga rufa</i>
67		Little Cormorant	<i>Phalacrocorax niger</i>

	<b>Phasianidae</b>		
68		Grey Partridge	<i>Francolinuspondicerianus</i>
69		Indian Peafowl	<i>Pavocristatus</i>
	<b>Picidae</b>		
70		Golden backed Woodpecker	<i>Dinopiumbenghalense</i>
71		Maharatta Woodpecker	<i>Picoidesmaharattensis</i>
	<b>Ploceidae</b>		
72		House Sparrow	<i>Passer domesticus</i>
73		Yellow Throated Sparrow	<i>Petroniasanthocollis</i>
	<b>Psittacidae</b>		
74		Blossom Headed Parakeet	<i>Psittaculacyaocephala</i>
75		Rose-ringed Parakeet	<i>Psittaculakrameri</i>
76		Alexandrine Parakeet	<i>Psittaculaeupatria</i>
	<b>Pycnootidae</b>		
77		Red-vented Bulbul	<i>Pycnonotscafer</i>
	<b>Rallidae</b>		
78		Indian Moorhen	<i>Gallinulachloropus</i>
79		White breasted Waterhen	<i>AmaurornisPhoenicurus</i>
	<b>Recurvirostridae</b>		
		Black-winged Stilt	<i>Himantopus</i>
	<b>Stigidae</b>		
80		Barn Owl	<i>Tyto alba</i>
81		Eurasian Scops Owl	<i>Otusscops</i>
82		Spotted Owlet	<i>Athene brama</i>
	<b>Sturnidae</b>		
83		Bank Myna	<i>Acridotheresginginianus</i>
84		Brahminy Myna	<i>Strnuspagodarum</i>
85		Common Myna	<i>Acridotherestrstis</i>
86		Rosy Pastor	<i>Sturnus roseus</i>
	<b>Musicapinae</b>		
87		Grey Headed Flycatcher	<i>Culicicapaceylonensis</i>
88		Tickell's Blue Flycatcher	<i>Musicapatickelliae</i>
89		White-browed Fantail Flycatcher	<i>Rhipiduraaureola</i>
	<b>Sylviinae</b>		
90		Ashy Wren Warbler	<i>Priniasocialis</i>
91		Jungle Wren Warbler	<i>Prinia sylvatica</i>
92		Tailor Bird	<i>Orthotomussutorius</i>
	<b>Turdinae</b>		
93		Indian Robin	<i>Saxicoloidesfulcata</i>
94		Magpie Robin	<i>Copsychussaularis</i>
95		Stone Chat	<i>Saxicola torqueta</i>
	<b>Ploceinae</b>		
96		Baya Weaver Bird	<i>Ploceusphilippinus</i>
	<b>Estrildinae</b>		
97		Red Munia	<i>Amandavaamandava</i>

98		Indian Silverbill Munia	<i>Lonchuramalabarica</i>
	<b>Threskiornithidae</b>		
99		Glossy Ibis	<i>Plegadisfalcinellus</i>
100		Indian Black Ibis	<i>Pseudibispapillosa</i>
101		White Ibis	<i>Threskiornisaethiopicus</i>
	<b>Upupidae</b>		
102		Hoopoe	<i>Upupa epops</i>
	<b>Zosteropidae</b>		
103		White Eye	<i>Zosterospalebrosa</i>

### Appendix I

#### List of Ground Staff of Sri Sayajibaug Zoo, VMC, Vadodara

<b>Animal Keeper</b>	<b>Sweeper</b>	<b>Watchman</b>	<b>Labour</b>
Kalubhai Mali	Ashokbhai Solanki	Prakash Samudre	Punambhai Mali
HanifkhanPathan	Ambalal Solanki		Suresh Bhaliya
Bhagvanbhai Jadav	Jasubhai Solanki		Dashrathsinh Solanki
Jayantibhai Mali	Jayeshbhai Harijan		Vajid Shaikh
Govindbhai Rohit	Narendra Solanki		Jayantibhai Rajput
PunambhaiPadhiyar	Amarsing Solanki		Himmatbhai Padhiyar
Gopalbhai Mali			Mehul Vagh
Chhatrasinh Parmar			
Chimanbhai Mali			
RajendrabhaiKshrtriya			
PratapbhaiPadhiyar			
Sanjay Parmar			
Babubhai Raval			